

Application No. (if known): 10/084,831

Attorney Docket No.: HO-P02917US5

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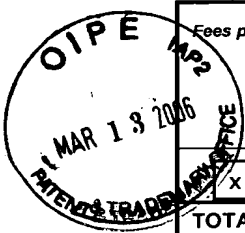
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Terminal Disclaimer (1 page)  
Check in the amount of \$65.00  
Amendment Pursuant to 37 CFR 1.111 (9 pages)  
Fee Transmittal (1 page)  
Copy of Office Action dated 1/13/2006 (6 pages)

23-14-06

TRM 1714



PTO/SB/17 (01-06)  
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|--|--|--|--|
| Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).<br><h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">For FY 2006</h3> |  | <b>Complete if Known</b>                 |  |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27  |  | Application Number 10/084,831            |  |
|  |  | Filing Date February 26, 2002            |  |
|  |  | First Named Inventor Frederick L. Jordan |  |
|  |  | Examiner Name C. D. Toomer               |  |
|  |  | Art Unit 1714                            |  |
| TOTAL AMOUNT OF PAYMENT (\$) 65.00   |  | Attorney Docket No. HO-P02917US5         |  |

**METHOD OF PAYMENT** (check all that apply)

☒ Check  
 ☐ Credit Card  
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 ☐ Other (please identify): \_\_\_\_\_

☐ Deposit Account  
 Deposit Account Number: 06-2375  
 Deposit Account Name: Fulbright & Jaworski L.L.P.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below  
 ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17  
 ☒ Credit any overpayments

**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)         | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   |                |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    |                |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    |                |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   |                |
| Provisional      | 200         | 100                   | 0           | 0                     | 0                | 0                     |                |

**2. EXCESS CLAIM FEES**

| Fee Description                                    | Fee (\$) | Small Entity Fee (\$) |
|--|----------|-----------------------|
| Each claim over 20 (including Reissues)            | 50       | 25                    |
| Each independent claim over 3 (including Reissues) | 200      | 100                   |
| Multiple dependent claims                          | 360      | 180                   |

Total Claims   Extra Claims   Fee (\$)   Fee Paid (\$)   Multiple Dependent Claims  
 32   - 101   x   =                          Fee (\$)   Fee Paid (\$)  
 HP = highest number of total claims paid for, if greater than 20.

Indep. Claims   Extra Claims   Fee (\$)   Fee Paid (\$)  
 5   - 8   x   =                         
 HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$)                       | Fee Paid (\$) |
|--------------|--------------|--|--------------------------------|---------------|
|              | - 100 =      | /50  | (round up to a whole number) x | =             |

**4. OTHER FEE(S)**

|   | Fees Paid (\$) |
|---|----------------|
| Non-English Specification, \$130 fee (no small entity discount)       |                |
| Other (e.g., late filing surcharge): <u>2814 Statutory Disclaimer</u> | 65.00          |

|                                     |  |                          |  |
|-------------------------------------|--|--------------------------|--|
| <b>SUBMITTED BY</b>                 |  |                          |  |
| Signature                           | Registration No. (Attorney/Agent) 31,998 | Telephone (713) 651-5462 |  |
| Name (Print/Type) John E. Schneider | Date March 13, 2006                      |                          |  |



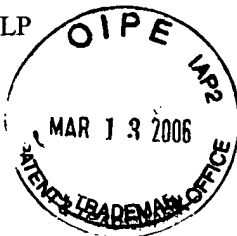
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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/084,831      | 02/26/2002  | Frederick L. Jordan  | HO-P02917US5        | 4094             |

26271 7590 01/13/2006

FULBRIGHT & JAWORSKI, LLP  
1301 MCKINNEY  
SUITE 5100  
HOUSTON, TX 77010-3095



EXAMINER

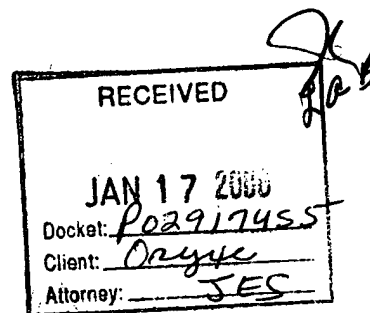
TOOMER, CEPHIA D

ART UNIT PAPER NUMBER

1714

DATE MAILED: 01/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.





# Office Action Summary

Application No.

10/084,831

Applicant(s)

JORDAN, FREDERICK L.

Examiner

Cephia D. Toomer

Art Unit

1714

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 25 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 66-74,76-91 and 97-103 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 66-74,76-91 and 97-103 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

This Office action is in response to the amendment filed October 25, 2005 in which claims 102 and 103 were added. Applicant's correspondence address has been corrected.

#### ***Double Patenting***

1. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

2. Claims 97-103 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 90-92, 95, 97 and 98 of copending Application No. 10/084,601. Although the conflicting claims are not identical, they are not patentably distinct from each other because the intended use is not a patentable distinction especially in view of the compositions being the same or an obvious variant.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

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3. Claims 97-103 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 107-109 and 112-114 of copending Application No. 10/084,236. Although the conflicting claims are not identical, they are not patentably distinct from each other because the intended use is not a patentable distinction especially in view of the compositions being the same or an obvious variant.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

4. Claims 97-103 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 87, 90, 91, 94, 95 and 97-99 of copending Application No. 10/084,237. Although the conflicting claims are not identical, they are not patentably distinct from each other because the intended use is not a patentable distinction especially in view of the compositions being the same or an obvious variant.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

5. Claims 97-103 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 95-97 and 101-103 of copending Application No. 10/084,579. Although the conflicting claims are not identical, they are not patentably distinct from each other because the intended use is not a patentable distinction especially in view of the compositions being the same or an obvious variant.

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This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

***Claim Rejections - 35 USC § 112***

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 66, 73, 76, 80, 84, 90, 97, 100 and 102 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Since the claims are directed to coal and an additive, the claims should read – A coal composition --. See claims 66, 76 and 84.

In claim 73, is 2 cycle oil and resid fuel a mixture of these two components or should the first occurrence and “and” be deleted.

Claim 80 is rejected because “coal” is not a solvent.

In Claim 90, is 2 cycle oil and resid fuel a mixture of these two components or should the first occurrence and “and” be deleted. Also, the claim rejected because “coal” is not a solvent.

Claim 97 is rejected because “coal” is not a solvent.

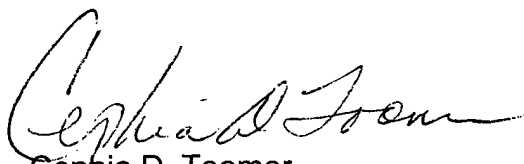
Claim 100 is rejected because “addition” should read – additive – and “cardenoid” should read – carotenoid --.

Claim 102 is rejected because “barley  $\beta$ -carotene” should read – barley,  $\beta$ -carotene --.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cephia D. Toomer whose telephone number is 571-272-1126. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on 571-272-1119. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Cephia D. Toomer  
Primary Examiner  
Art Unit 1714